

BELANGRIJK:
hou deze schema's bij het orgel! !

IMPORTANT:
keep the schematic diagrams with the organ! !

WICHTIG:
Schaltpläne bei Orgel aufbewahren! !

SERVICE INFORMATION

0476



STRING ENSEMBLE

INHOUD – CONTENTS – INHALT

| | Part No.* | Sheet No. |
|---------------------------|-----------|-----------|
| Gate circuit | 021.0001 | 015.0212 |
| Bass circuit | 003.3015 | 015.0212 |
| Supplementary circuit | 003.2182 | 015.0212 |
| Register circuit | 003.3016 | 015.0212 |
| Divider circuit A | 005.0077 | |
| Divider circuit B | 005.0078 | |
| Master oscillator circuit | 005.0124 | |
| Schematic diagram | | 015.0212 |
| Wiring diagram | | 015.0213 |
| Signal flow diagram | | 015.0214 |
| Control circuit | 012.0025 | |
| Modulator circuit B | 012.0034 | |
| Divider circuit C | 005.0082 | |
| Power supply | 008.0066 | |

* Printed circuit
Part number

TECHNISCHE GEGEVENS

| | |
|-------------------|-------------------------|
| Netfrequentie | Mains frequency |
| Netspanning* | Mains voltage* |
| Ingang (input): | Input connection: |
| Expressionpedal | Expressionpedal |
| Output: | Output: |
| Low output I | Low output I |
| High output II | High output II |
| Zekeringen: | Fuses: |
| net: 220 V* | mains: 220 V* |
| 18,5 V: 2x3,15 AT | 18,5 V: 2x3,15 A (slow) |

TECHNICAL DATA

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TECHNISCHE DATEN

| | |
|--------------------------|--|
| Netzfrequenz | 50/60 Hz |
| Netzspannung* | 220 V (115-240-250*) |
| Eingang (input): | |
| Expressionpedal | |
| Ausgangsabnahme: | |
| Low output I | + 1,5 V tt - imp: 3 kOhm |
| High output II | + 5 V tt - imp: 5 kOhm |
| Sicherungen: | |
| Netz: 220 V* | thermal release in primary winding (micro STB 4239 |
| 18,5 V: 2x3,15 A (träge) | disconnect temp. 115 C) |

* 115 - 240 - 250 V.

* Voor 115, 240 en 250 Volt netspanning; als volgt te werk gaan:

- verwijder kap van de transformator
- de draad op de 220 V aansluiting omzetten naar de gewenste netspanning

* For 115,240 and 250 Volt operation:

- remove cover of transformer
- relocate mains voltage to appropriate voltage.

*Für 115, 240 und 250 V Netzspannung wie folgt handeln:

- Die Kappe des Transformators entfernen
- Den Draht des 220 V Anschlusses in die gewünschte Netzspannung umsetzen.

Service dokumentatie:

Service onderdelenlijst zie:

Service information:

Service parts list see:

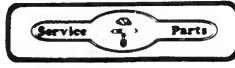
Kundendienst dokumentation:

Service-Erzatzteilenliste siehe:

(aanvragen bij servicedienst te Bodegraven)

inquire by your importer or MCH Holland)

(fragen Sie bei Ihrem Importeur oder MCH)



Storings- en lokalisatielijst zie:

Trouble shooting guide see:

Fehlersucheliste siehe:



ATTENTIE:

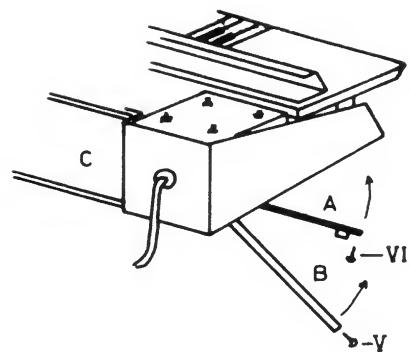
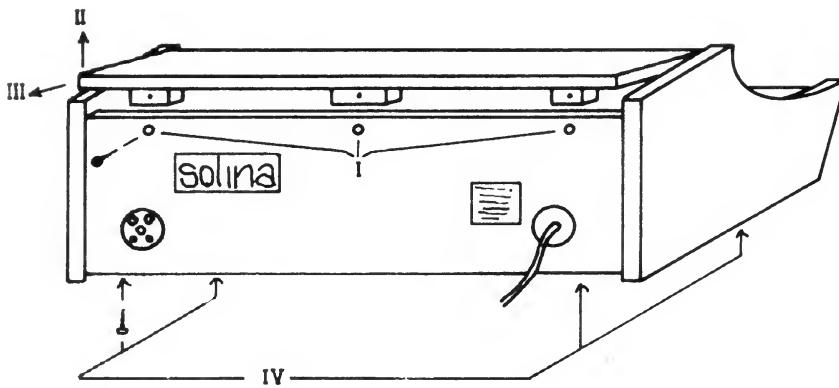
ATTENTION:

ACHTUNG:

THEORY OF OPERATION

Divider circuit * 2 *

Divider circuit should be *2* instead of *1*



DEMONTAGE STRING-ENSEMBLE

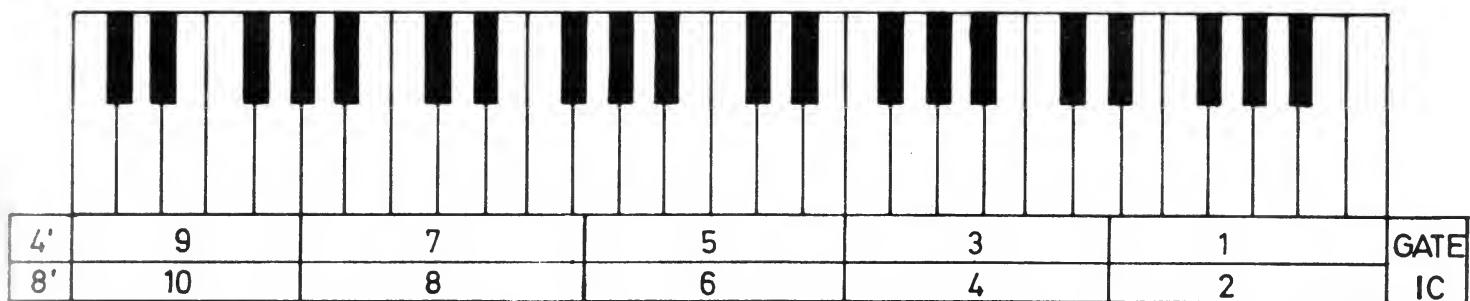
1. Verwijder schroeven I
2. Til bovenblad op, zie II
3. Schuif bovenblad weg, zie III
4. Verwijder schroeven IV
5. De konstruktie kan nu uit de kast worden getild.
6. De panelen A en B zijn klapbaar na verwijdering van schroeven VI en V

DISASSEMBLY OF STRING-ENSEMBLE

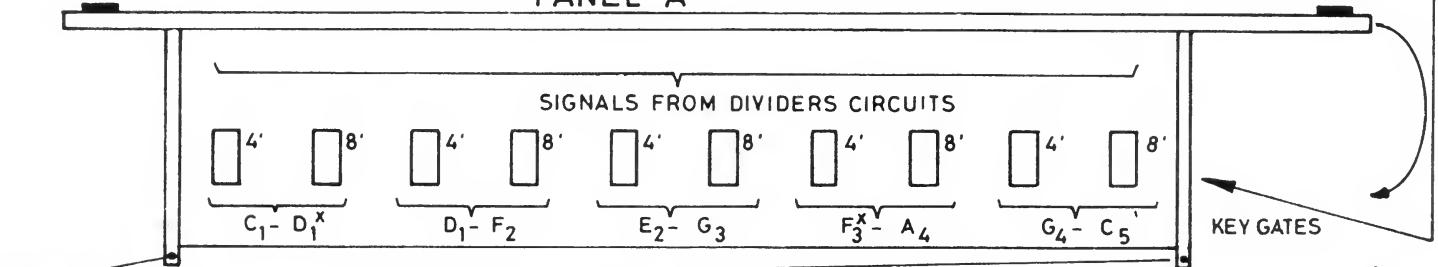
1. Remove (3) screws I
2. Raise cover, see II
3. Push cover out of the way, see III
4. Remove (4) screws IV
5. Lift out unit from cabinet
6. Panels A and B will fold out of way after removing screws V and VI .

DEMONTAGE STRING-ENSEMBLE

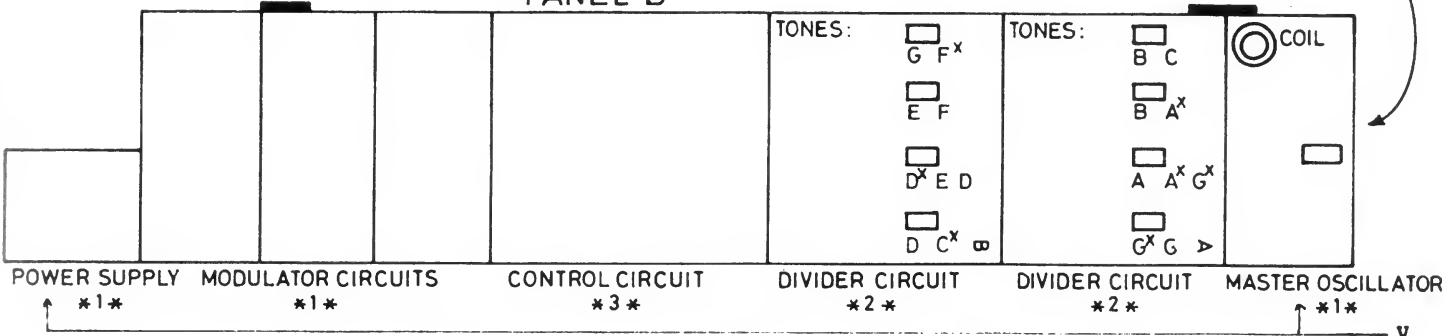
1. Schrauben rausdrehen (siehe I)
2. Oberbrett anheben (siehe III)
3. Oberbrett wegschieben (siehe III)
4. Schrauben rausdrehen (siehe IV)
5. Die Konstruktion kann jetzt aus der Kiste gehoben werden.
6. Die Paneelen a und b sind klappbar, nachdem die Schrauben rausgedreht sind. (siehe V und VI).



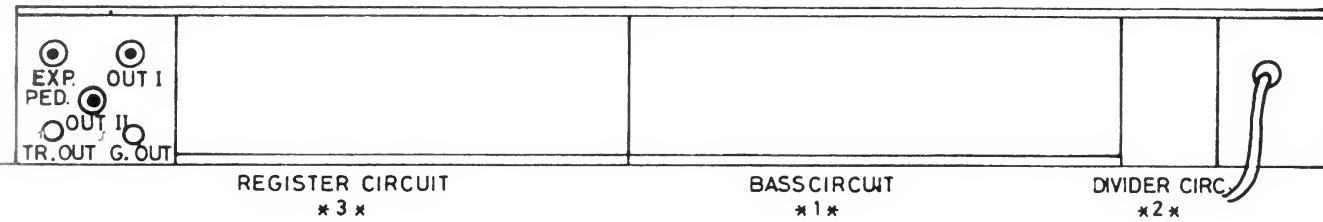
PANEL A

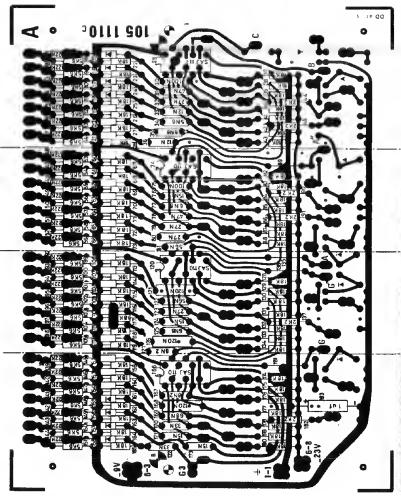


PANEL B

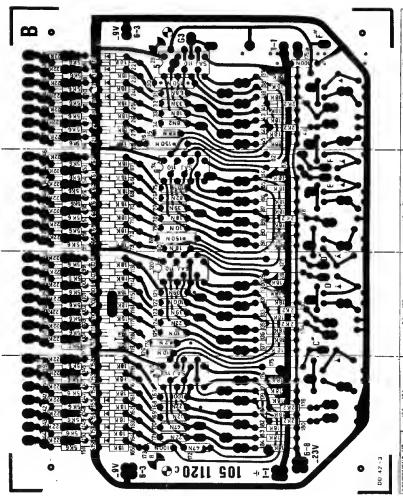


PANEL C

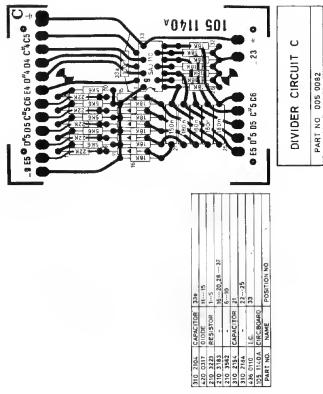




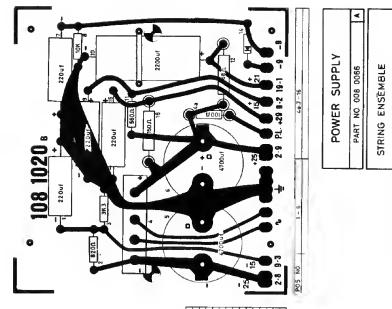
| | |
|-------------------|---|
| DIVIDER CIRCUIT A | B |
| PART NO 005 0077 | |



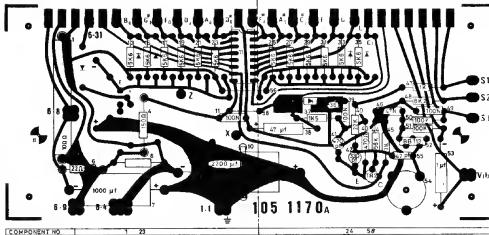
DIVIDER CIRCUIT B
PART NO. 006 0078



divider circuit c
part no. 005-0082

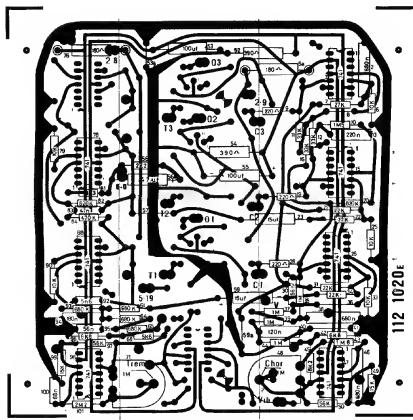


| | |
|------------------|---|
| POWER SUPPLY | A |
| PART NO 008 0066 | |
| STRING ENSEMBLE | |



MASTER OSCILLATOR

PART NO. 005 0124



CONTROL CIRCUIT

PART NO. 012-002E

| Part No. | Description | Value |
|-----------|-------------|------------------|
| PCB 1511 | MEASUROR | 1A |
| PCB 1561 | | 1A |
| PCB 3992 | | 4.4K |
| PCB 3992 | | 2K |
| PCB 3992 | | 1K |
| PCB 3109 | | 10.2K .1A |
| PCB 3109 | | 10.2K .1A |
| PCB 1381 | | 31 |
| PCB 1381 | | 79.4K .5A, 50.3K |
| PCB 2109 | | 4K |
| PCB 2109 | | 37 |
| PCB 2109 | | 33 |
| PCB 2224 | | 72 |
| PCB 2354 | | 404K |
| S11 36179 | | .4A |
| S11 36179 | | .1A |
| SMC 6100 | ELCAPACITOR | 2A |
| SMC 6100 | | 1.25A |
| SMC 6179 | | .43 |
| SMC 6179 | | .125 |
| SMC 6179 | | .035 |
| 430 0511 | POT METER | 10K |
| 430 0511 | ONOFF | 350/350 |
| 430 0511 | SWITCH | 10A |
| 1K 2602 | | 1K 1.2J |
| 1K 0915 | | 1K |
| 1K 0915 | TURBO | 3A |
| 908 0001 | | 1A |
| 908 0001 | ECR BOARD | 2A |
| PAK 204 | NAME | POSITION N.D |

